

# Converting Colors

Yxy(98.0914, 0.3312, 0.3946)

Have a look what the booklet for  
Yxy(98.0914, 0.3312, 0.3946)  
contains.

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# Color

**Yxy(93.0896, 0.3326, 0.3876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFC6
RGB	234, 255, 198
RGB Percent	92%, 100%, 78%
CMY	0.0825, 0.0000, 0.2234
CMYK	0.08, 0.00, 0.22, 0.00
HSL	82°, 100%, 89%
HSV	82°, 22%, 100%
XYZ	79.8803, 93.0896, 67.1994
YIQ	242.2230, 5.7810, -22.1790

# Conversions

## Conversions Part 2

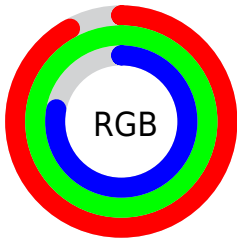
Format	Color
<a href="#">RYB</a>	<a href="#">198, 255, 219</a>
Decimal	<a href="#">15400902</a>
CIELab	<a href="#">97.26, -16.36, 25.00</a>
CIElCh	<a href="#">97, 29.877, 123.194</a>
Yxy	<a href="#">93.0896, 0.3326, 0.3876</a>
Android (android.graphics.Color)	<a href="#">4293590982 (0xFFEAFFC6)</a>
YUV	<a href="#">242.2230, -21.8019, -7.2116</a>
Hunter-Lab	<a href="#">96.4830, -21.0612, 26.2432</a>

# Details

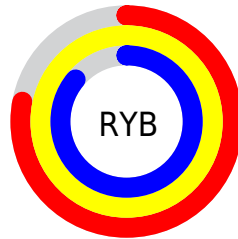
The Yxy color **93.0896, 0.3326, 0.3876** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6893, 0.2892, 0.2687**, and the grayscale version is **89.1464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8668, 0.3364, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **90.4561, 0.3411, 0.4159**, and if you desaturate by 10%, it is **95.9994, 0.3237, 0.3603**.

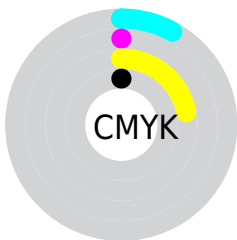
# Distribution



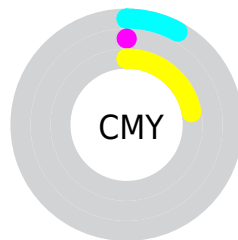
- Red (92%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (86%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0896, 0.3326, 0.3876 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 93.0896, 0.3326, 0.3876 by changing the saturation by 10% instead.




 93.0896, 0.3326,  
0.3876

 93.0896, 0.3326,  
0.3876


538.0308, 0.3242,  
0.3610

 70.5460, 0.3343,  
0.3935


151.6227, 0.3299,  
0.3785

 51.9718, 0.3363,  
0.4008


188.3809, 0.3287,  
0.3749

 36.9826, 0.3387,  
0.4099


230.6461, 0.3278,  
0.3718

 25.1940, 0.3416,  
0.4216

278.8027, 0.3269,  
0.3691

 16.2216, 0.3450,  
0.4370

333.2351, 0.3261,  
0.3667

 9.6811, 0.3491,  
0.4585

394.3276, 0.3254,

 5.1881, 0.3535,

0.3646

0.4898

462.4647, 0.3248,  
0.3627

■ 2.3580, 0.3667,  
0.5549

■ 0.8042, 0.3122,  
0.6878

■ 93.0896, 0.3326,  
0.3876

■ 93.0896, 0.3326,  
0.3876

■ 90.4561, 0.3411,  
0.4159

■ 95.9994, 0.3237,  
0.3603

■ 88.0973, 0.3487,  
0.4445

■ 99.2056, 0.3148,  
0.3347

■ 85.9980, 0.3549,  
0.4723

100.0000, 0.3127,  
0.3290

■ 84.1448, 0.3593,  
0.4980

■ 82.5231, 0.3615,  
0.5201

■ 81.1162, 0.3611,  
0.5377

■ 79.9040, 0.3583,  
0.5500

■ 79.0853, 0.3549,  
0.5564

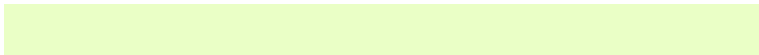
# Harmonies

## Analogous

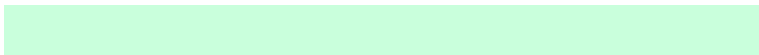
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0896, 0.3614, 0.3842



93.0896, 0.3326, 0.3876



93.0896, 0.2995, 0.3729

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0896, 0.3326, 0.3876



93.0896, 0.2517, 0.2880



93.0896, 0.3552, 0.3128

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



93.0896, 0.3326, 0.3876



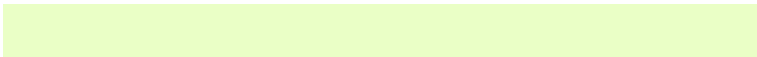
62.6893, 0.2892, 0.2687

# Split Complementary

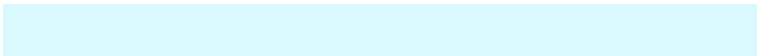
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0896, 0.3236, 0.2903



93.0896, 0.3326, 0.3876



93.0896, 0.2647, 0.2756

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



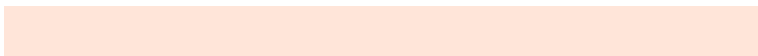
93.0896, 0.3326, 0.3876



93.0896, 0.2539, 0.3127



93.0896, 0.2905, 0.2768

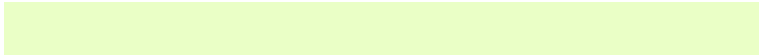


93.0896, 0.3753, 0.3400

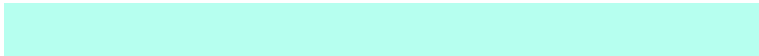


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0896, 0.3326, 0.3876



93.0896, 0.2794, 0.3548



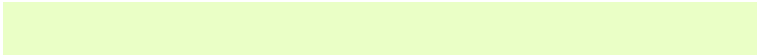
93.0896, 0.2905, 0.2768



93.0896, 0.3455, 0.3045

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



93.0864, 0.3326, 0.3876



97.6751, 0.3189, 0.3464



75.9585, 0.3541, 0.3504



20.8650, 0.3195, 0.3480



0.0000, 0.0000, 0.0000

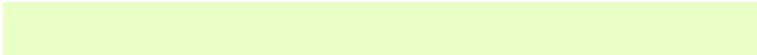


21.4041, 0.3127, 0.3290

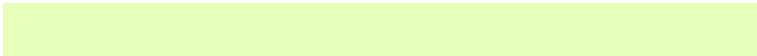


# Same Dimension

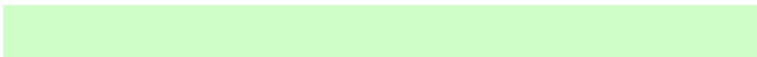
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0864, 0.3326, 0.3876



91.8267, 0.3366, 0.4007



88.6665, 0.3144, 0.3910



20.7361, 0.3212, 0.3529



41.4115, 0.3559, 0.5556



4.0942, 0.3631, 0.5499



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.6893, 0.2892, 0.2687



56.3329, 0.2833, 0.2547



67.4684, 0.3097, 0.2723



17.7042, 0.3037, 0.3048



5.0966, 0.1794, 0.0762

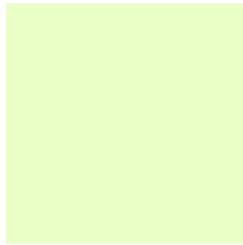


0.5558, 0.1918, 0.0830



# Previews

## White Background



This preview shows how the Yxy color 93.0896, 0.3326, 0.3876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

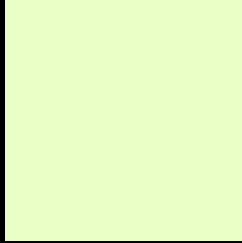
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.0896, 0.3326, 0.3876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

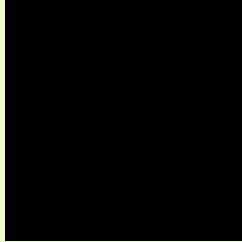
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

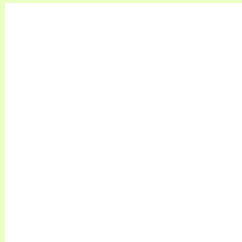
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.0896, 0.3326, 0.3876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.0896, 0.3326, 0.3876.

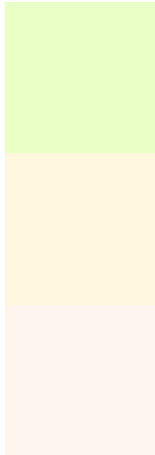


This preview shows how white text looks on a background with the Yxy color 93.0896, 0.3326, 0.3876.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

93.0896, 0.3326, 0.3876

### Protanopia

93.0555, 0.3332, 0.3536

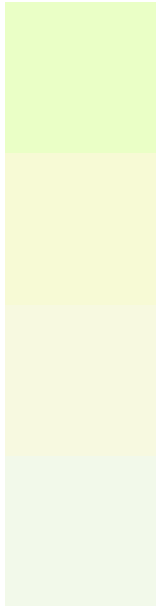
### Deuteranopia

92.7968, 0.3229, 0.3349

## Tritanopia

92.7244, 0.3074, 0.3202

# Trichromacy



## Original Color

93.0896, 0.3326, 0.3876

## Protanomaly

92.9495, 0.3330, 0.3660

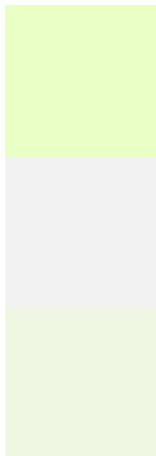
## Deuteranomaly

92.9073, 0.3264, 0.3539

## Tritanomaly

92.5691, 0.3171, 0.3440

# Monochromacy



## Original Color

93.0896, 0.3326, 0.3876

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

90.3632, 0.3201, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.0896, 0.3326, 0.3876 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 93.0896, 0.3326, 0.3876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 255, 198) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 255, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.0896, 0.3326, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
255, 198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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